

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041429.D
 Acq On : 29 Jul 2024 14:56
 Operator : SY/MD
 Sample : P3342-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-SS-03

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

Quant Time: Jul 30 02:50:02 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Jul 30 02:42:20 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.188	49	1099137	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	3056620	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2853035	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2225865 10.138 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	22893m	0.121	ppbv	
4) Chloromethane	2.806	50	21132	0.304	ppbv	99
9) Propene	2.700	41	54490m	0.907	ppbv	
10) Heptane	7.581	43	226913	1.680	ppbv	99
13) Ethanol	3.230	45	1062763	197.821	ppbv	98
15) Acetone	3.459	43	1530899	12.258	ppbv #	81
19) Isopropyl Alcohol	3.571	45	507335	6.949	ppbv #	94
20) Methylene Chloride	3.928	84	162068	3.480	ppbv	97
26) Hexane	5.208	57	745884	7.247	ppbv #	43
29) Chloroform	5.269	83	584663	3.483	ppbv	95
30) Cyclohexane	6.603	84	75163	0.897	ppbv	86
32) 1,1,1-Trichloroethane	6.008	97	6500m	0.040	ppbv	
34) 2-Butanone	4.783	43	129242	0.874	ppbv	93
36) Benzene	6.369	78	508706	2.278	ppbv	99
44) 2,2,4-Trimethylpentane	7.323	57	349413	0.937	ppbv #	75
52) Tetrachloroethene	10.613	164	18848m	0.218	ppbv	
53) Toluene	9.224	91	2329671	9.364	ppbv	99
58) Ethyl Benzene	12.092	91	409896	1.246	ppbv	98
59) m/p-Xylene	12.343	91	1151849	4.058	ppbv	97
60) o-Xylene	13.060	91	373529	1.391	ppbv	99
61) Styrene	12.899	104	76627	0.633	ppbv	95
72) 4-Ethyltoluene	15.198	105	70650m	0.223	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	44394m	0.163	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	173024	0.546	ppbv #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

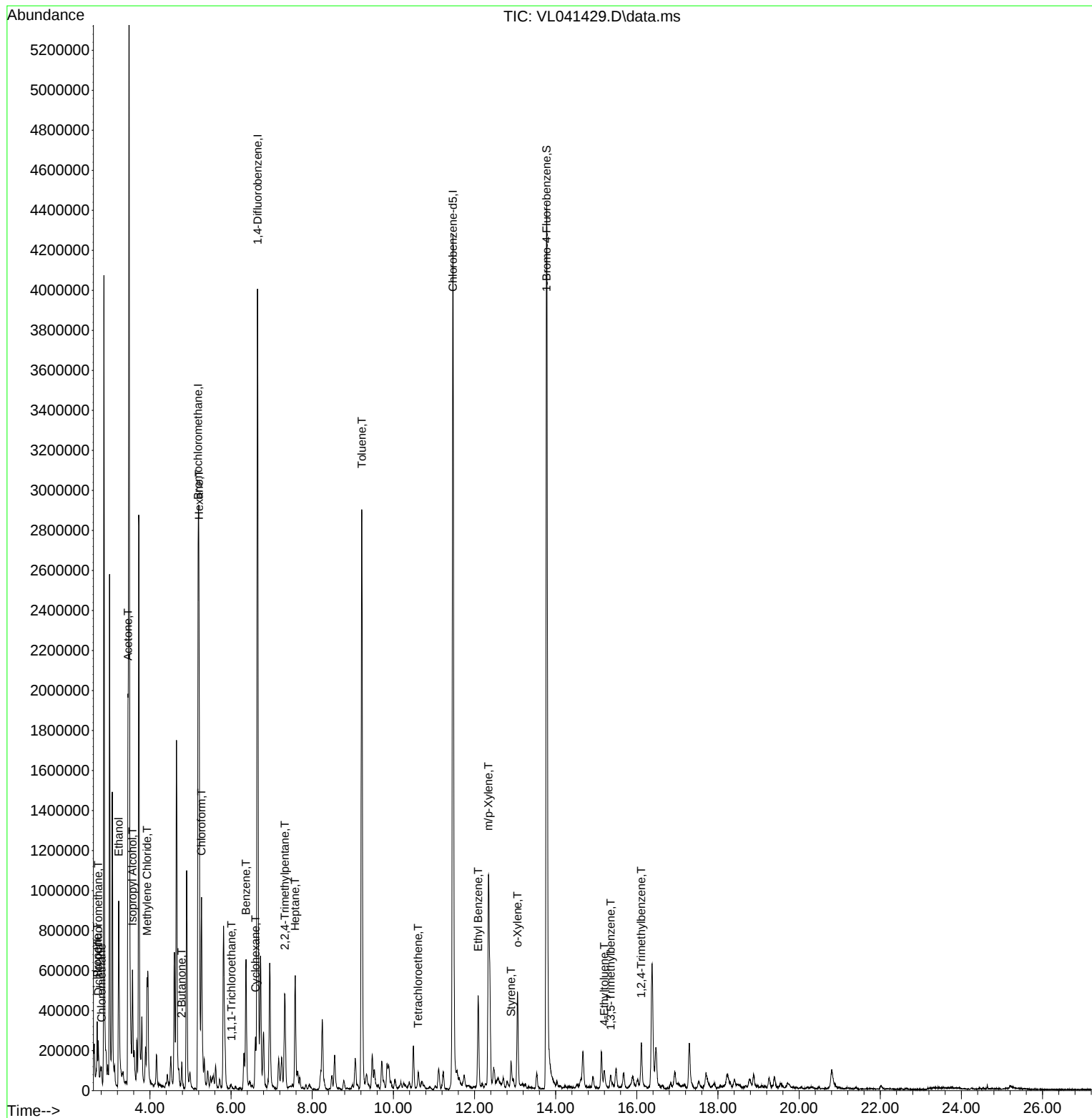
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
Data File : VL041429.D
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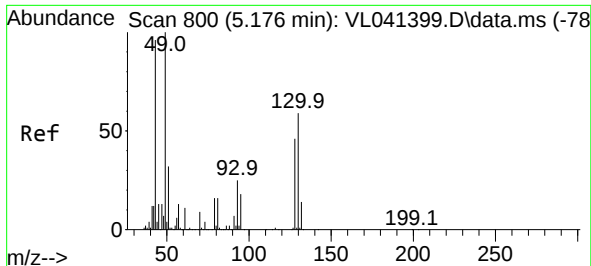
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-03

Quant Time: Jul 30 02:50:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jul 30 02:42:20 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

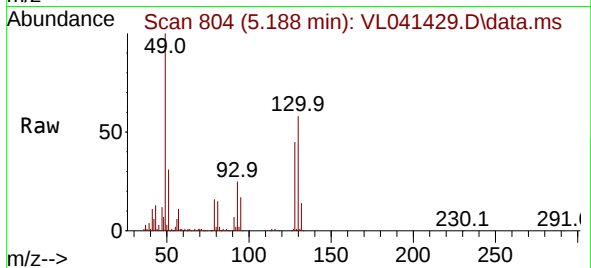
Reviewed By : Mahesh Dadoda 07/30/2024
Supervised By : Semsettin Yesilyurt 07/30/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

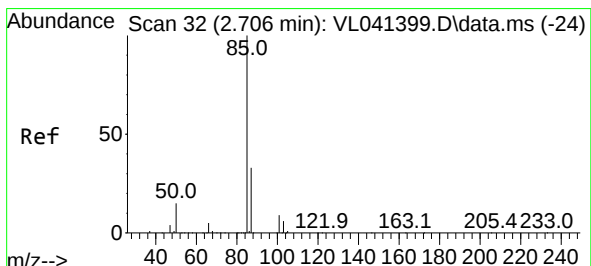
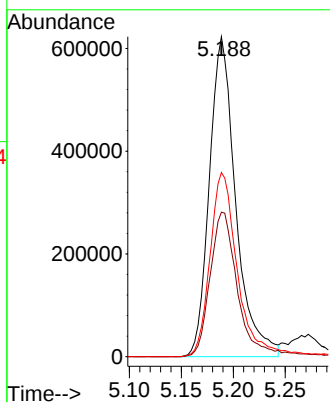
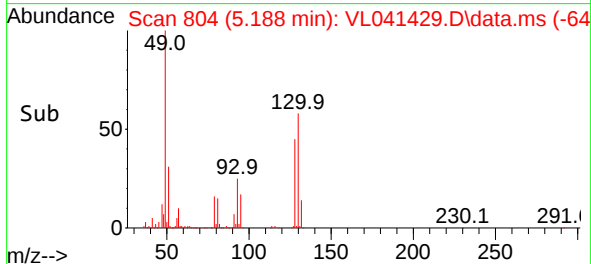
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-03



Tgt Ion: 49 Resp: 109913
Ion Ratio Lower Upper
49 100
128 47.7 23.8 71.4
130 61.6 30.8 92.4

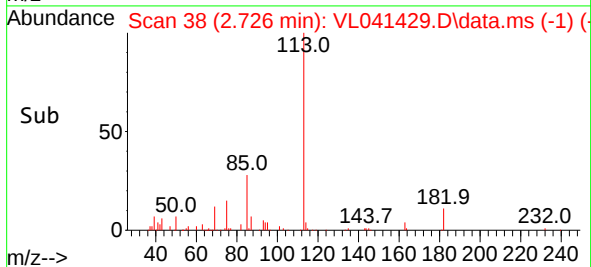
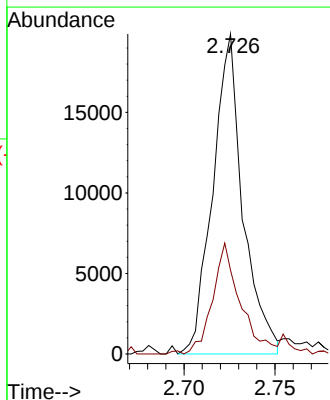
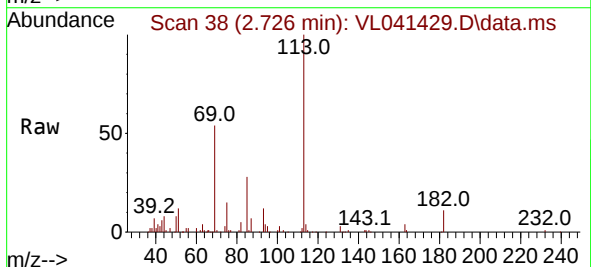
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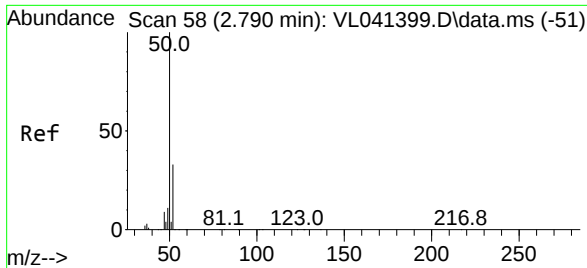
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#2
Dichlorodifluoromethane
Concen: 0.121 ppbv m
RT: 2.726 min Scan# 38
Delta R.T. 0.016 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

Tgt Ion: 85 Resp: 22893
Ion Ratio Lower Upper
85 100
87 26.2 26.0 39.0





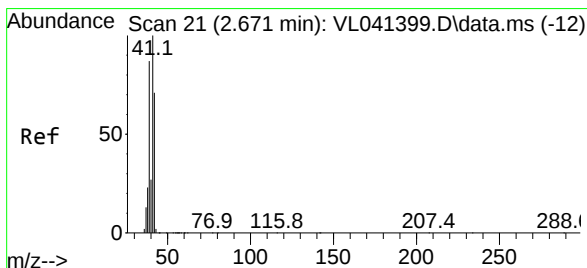
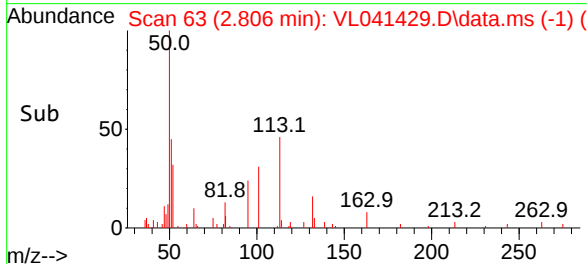
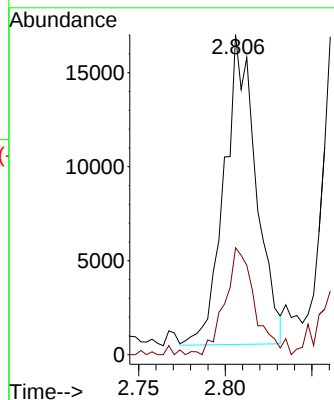
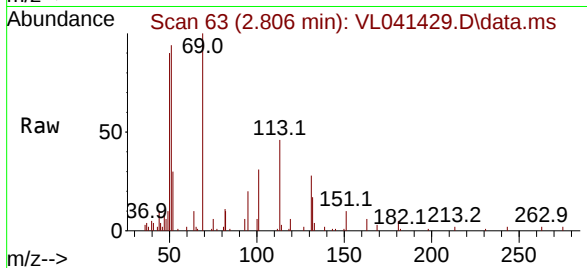
#4
Chloromethane
Concen: 0.304 ppbv
RT: 2.806 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-03

Tgt Ion: 50 Resp: 2113
Ion Ratio Lower Upper
50 100
52 33.0 26.1 39.1

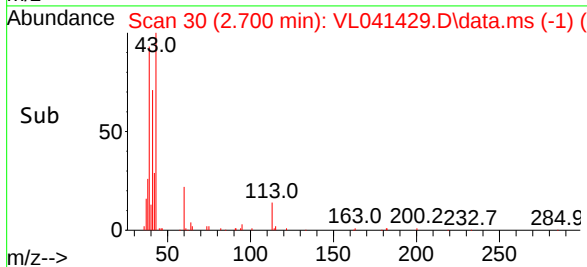
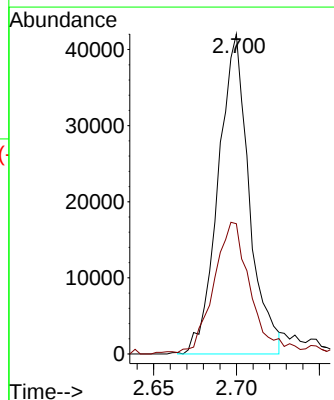
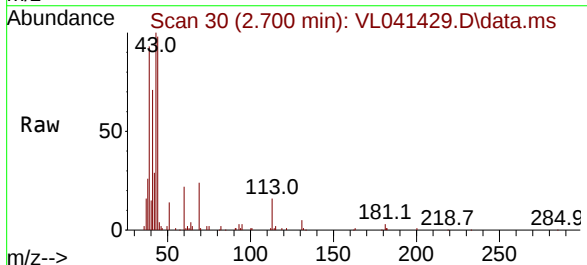
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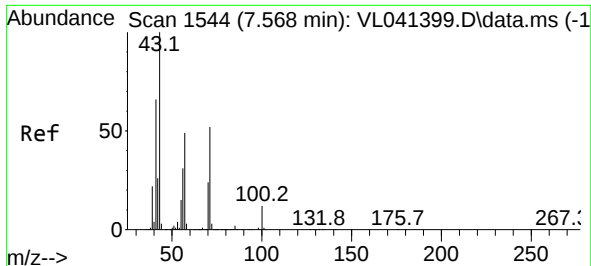
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#9
Propene
Concen: 0.907 ppbv m
RT: 2.700 min Scan# 30
Delta R.T. 0.029 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

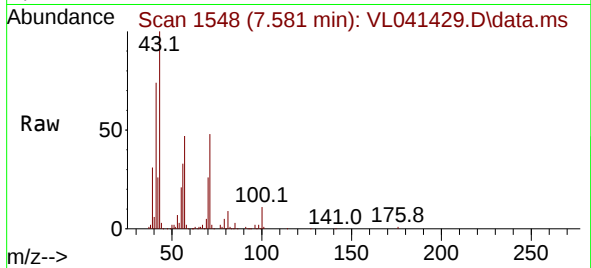
Tgt Ion: 41 Resp: 54490
Ion Ratio Lower Upper
41 100
42 1372.9 55.9 83.9#





#10
Heptane
Concen: 1.680 ppbv
RT: 7.581 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

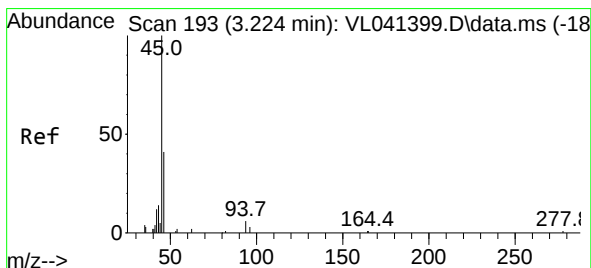
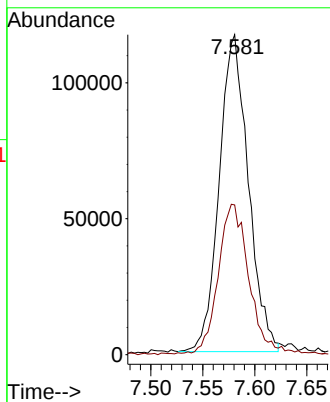
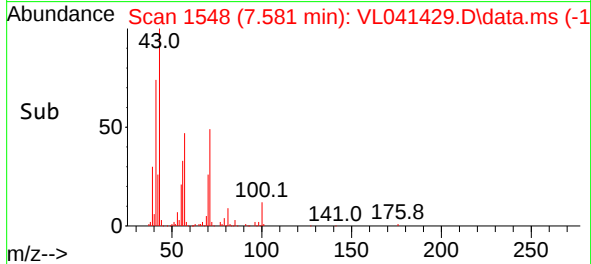
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-03



Tgt Ion: 43 Resp: 22691
Ion Ratio Lower Upper
43 100
57 49.8 40.5 60.7

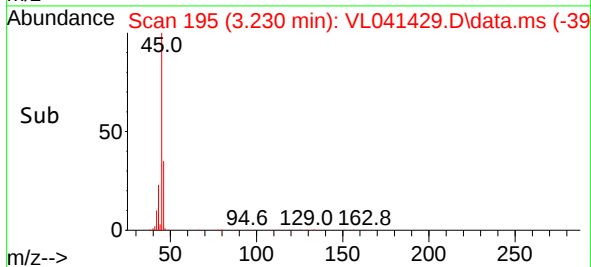
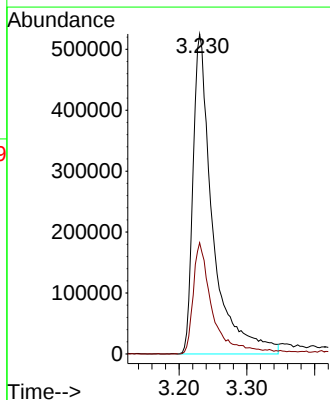
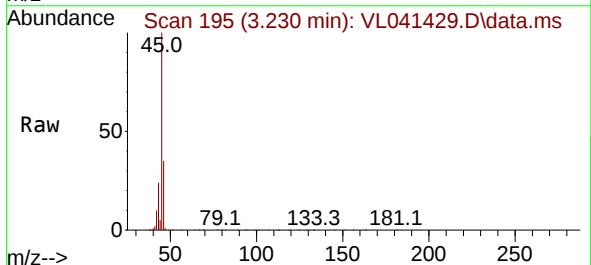
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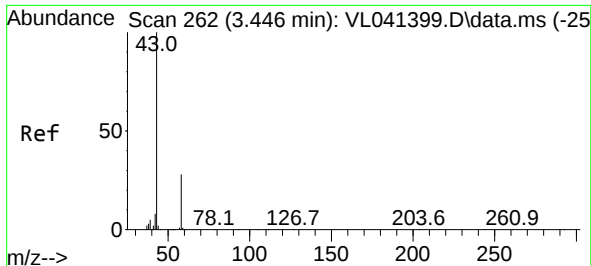
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#13
Ethanol
Concen: 197.821 ppbv
RT: 3.230 min Scan# 195
Delta R.T. 0.003 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

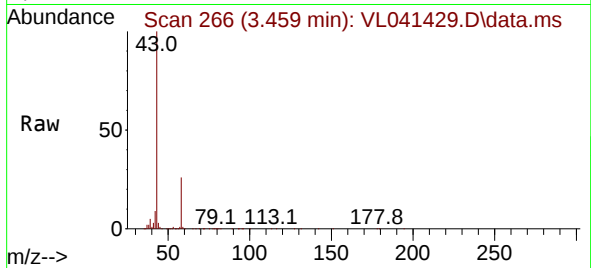
Tgt Ion: 45 Resp: 1062763
Ion Ratio Lower Upper
45 100
46 34.7 13.4 53.4





#15
Acetone
Concen: 12.258 ppbv
RT: 3.459 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

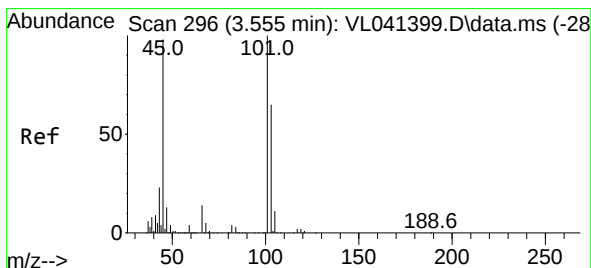
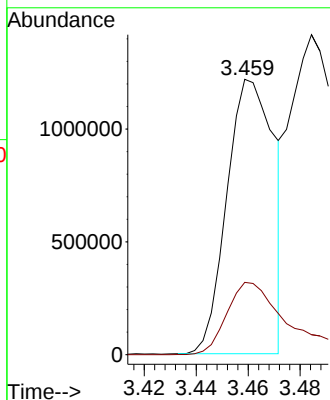
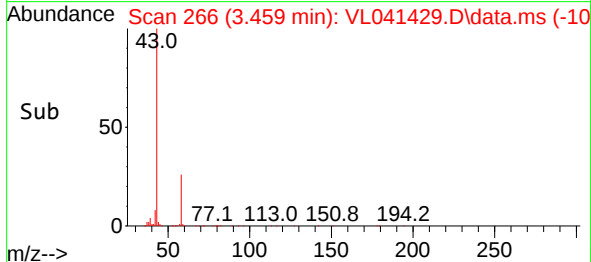
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-03



Tgt Ion: 43 Resp: 1530899
Ion Ratio Lower Upper
43 100
58 36.4 21.4 32.2

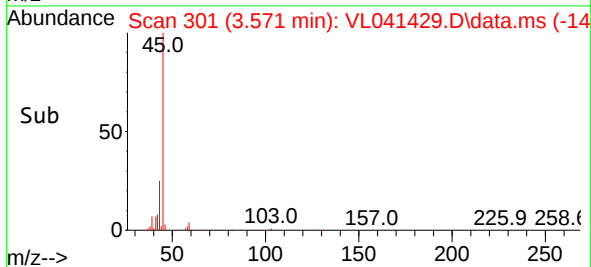
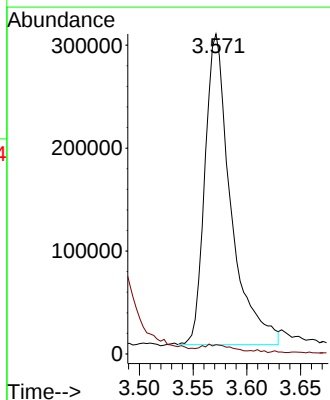
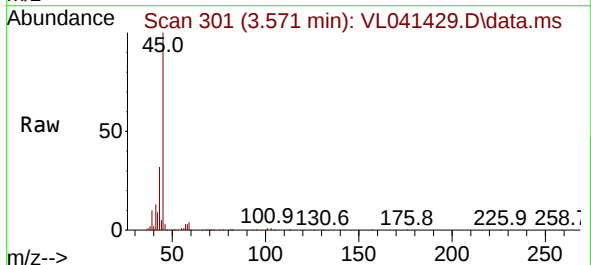
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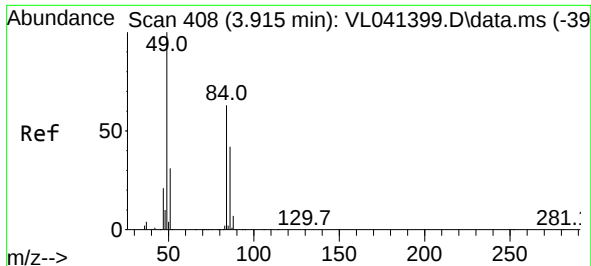
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#19
Isopropyl Alcohol
Concen: 6.949 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

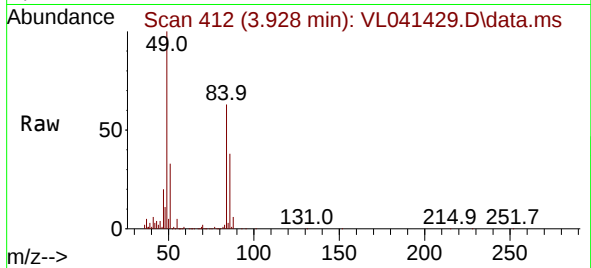
Tgt Ion: 45 Resp: 507335
Ion Ratio Lower Upper
45 100
58 4.3 1.9 2.9





#20
Methylene Chloride
Concen: 3.480 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.010 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

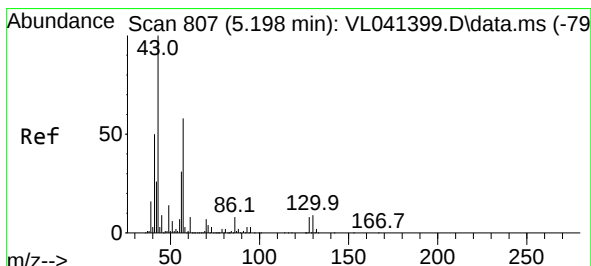
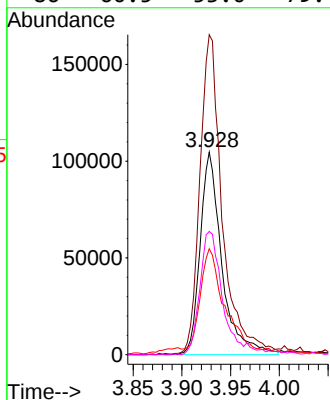
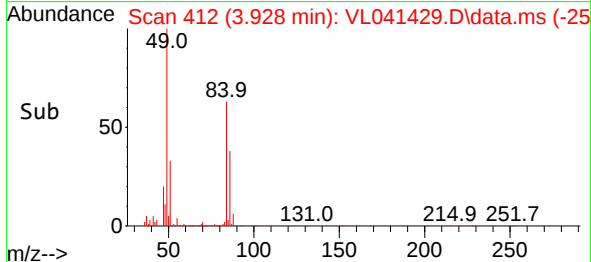
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-03



Tgt Ion: 84 Resp: 162068
Ion Ratio Lower Upper
84 100
49 157.4 126.6 190.0
51 50.3 38.6 58.0
86 60.5 53.0 79.4

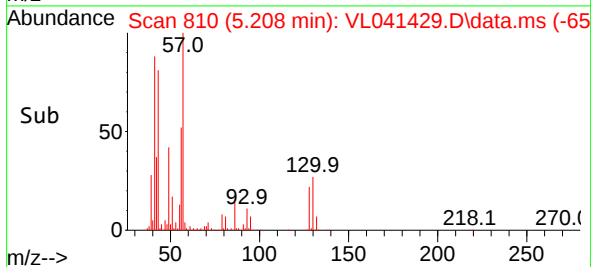
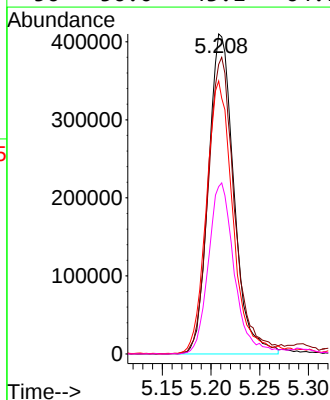
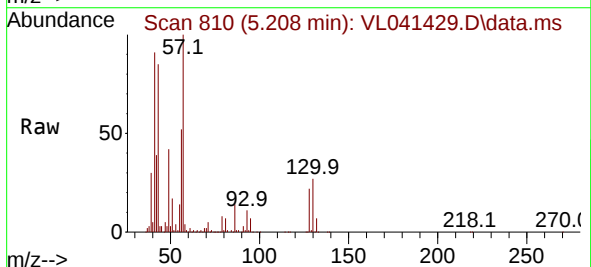
Manual Integrations
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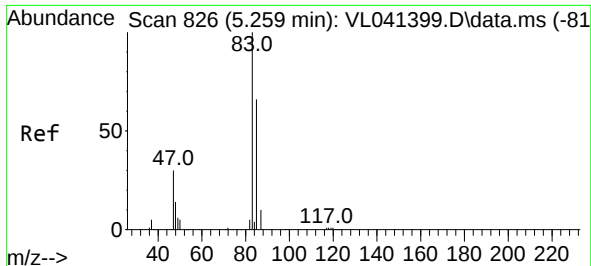
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#26
Hexane
Concen: 7.247 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

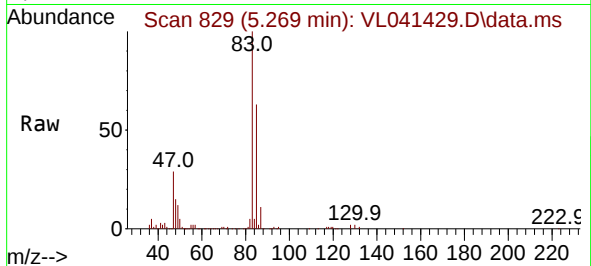
Tgt Ion: 57 Resp: 745884
Ion Ratio Lower Upper
57 100
41 96.7 74.0 111.0
43 90.8 193.6 290.4#
56 56.0 43.1 64.7





#29
Chloroform
Concen: 3.483 ppbv
RT: 5.269 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

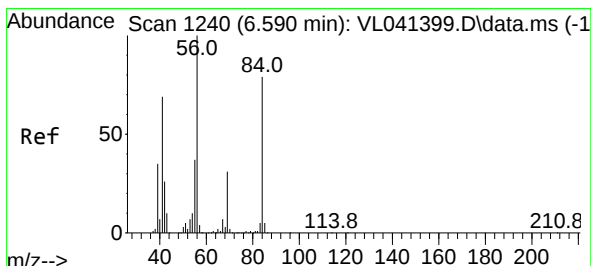
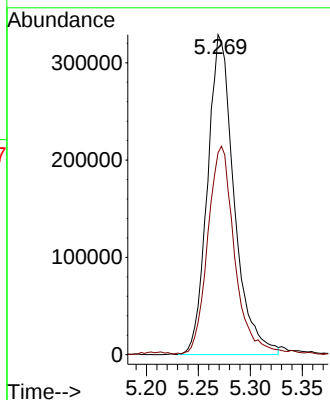
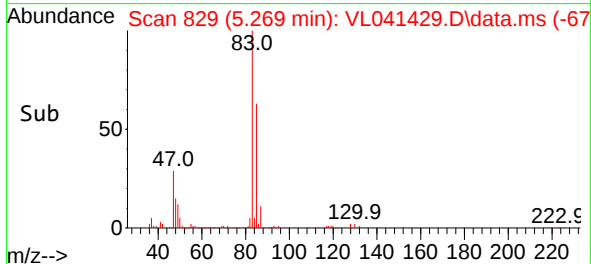
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-03



Tgt Ion: 83 Resp: 58466
Ion Ratio Lower Upper
83 100
85 62.7 53.1 79.7

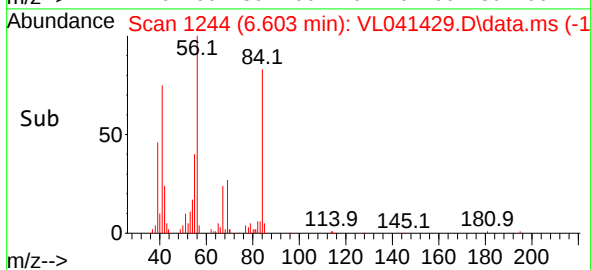
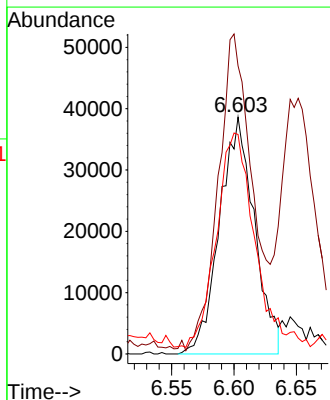
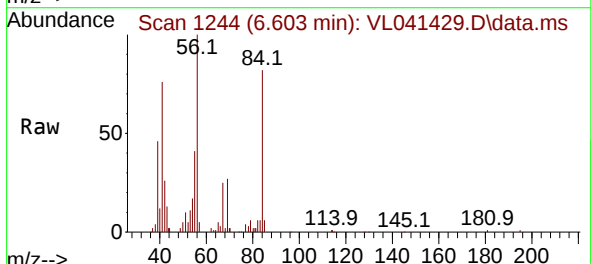
Manual Integrations
APPROVED

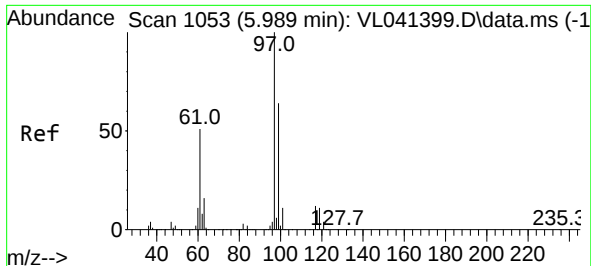
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#30
Cyclohexane
Concen: 0.897 ppbv
RT: 6.603 min Scan# 1244
Delta R.T. 0.010 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

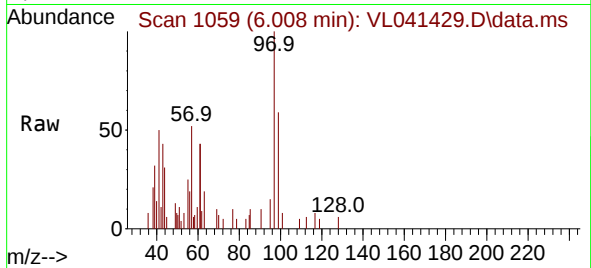
Tgt Ion: 84 Resp: 75163
Ion Ratio Lower Upper
84 100
56 123.7 111.2 166.8
41 102.8 70.3 105.5





#32
1,1,1-Trichloroethane
Concen: 0.040 ppbv m
RT: 6.008 min Scan# 1059
Delta R.T. 0.016 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

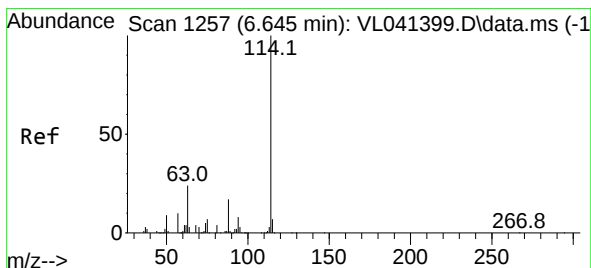
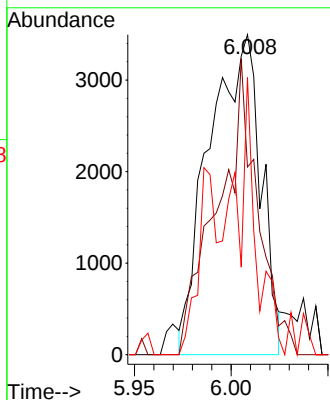
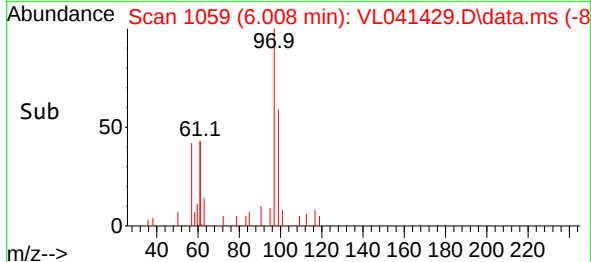
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-03



Tgt Ion: 97 Resp: 6500
Ion Ratio Lower Upper
97 100
99 70.5 52.0 78.0
61 61.9 41.8 62.8

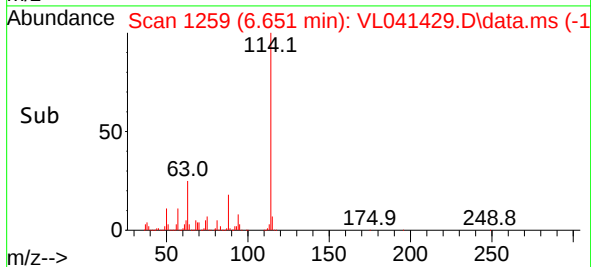
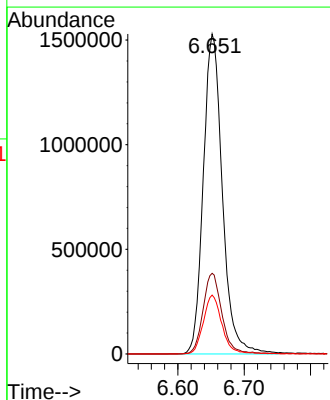
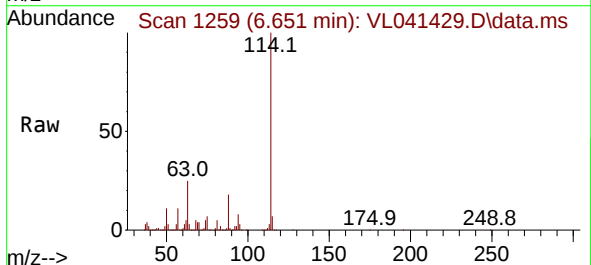
Manual Integrations
APPROVED

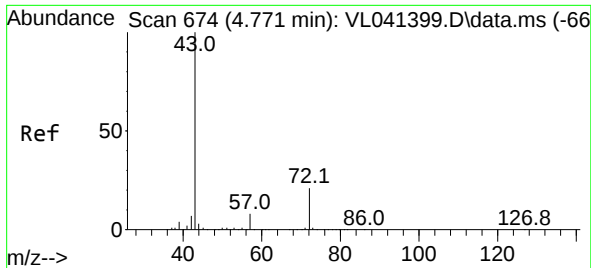
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.651 min Scan# 1259
Delta R.T. 0.006 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

Tgt Ion:114 Resp: 3056620
Ion Ratio Lower Upper
114 100
63 25.1 20.3 30.5
88 18.0 14.3 21.5





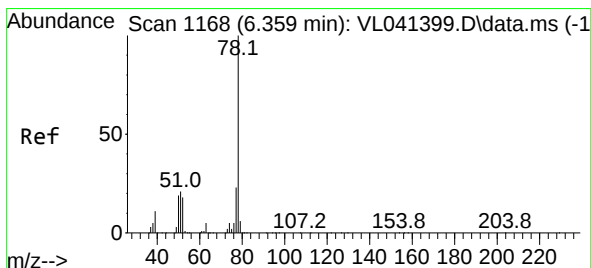
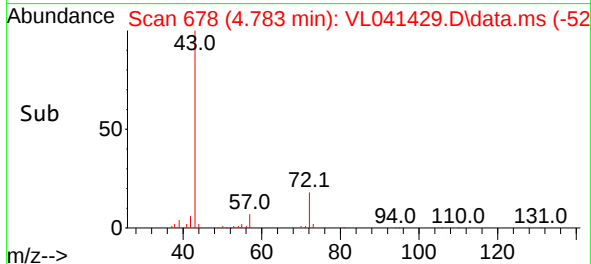
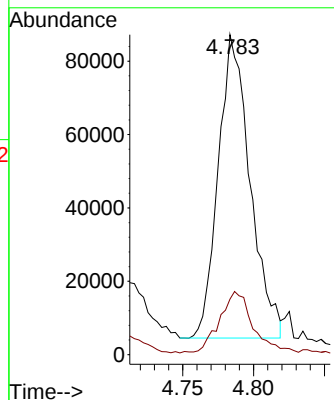
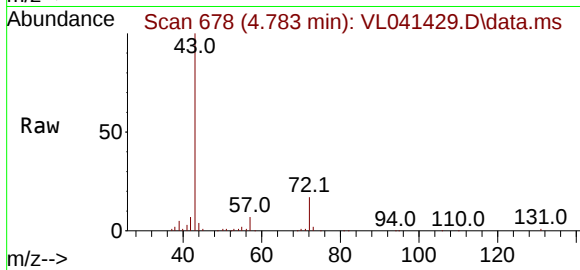
#34
2-Butanone
Concen: 0.874 ppbv
RT: 4.783 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-03

Tgt Ion: 43 Resp: 12924
Ion Ratio Lower Upper
43 100
72 24.7 17.3 25.9

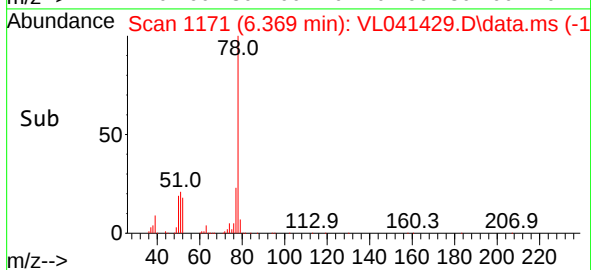
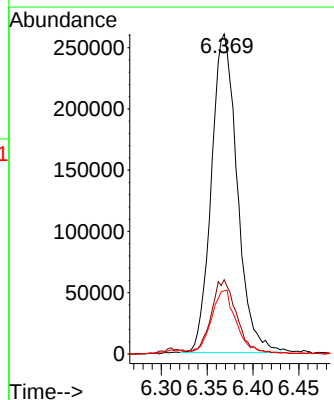
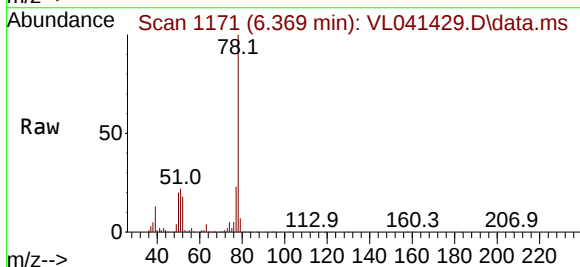
Manual Integrations
APPROVED

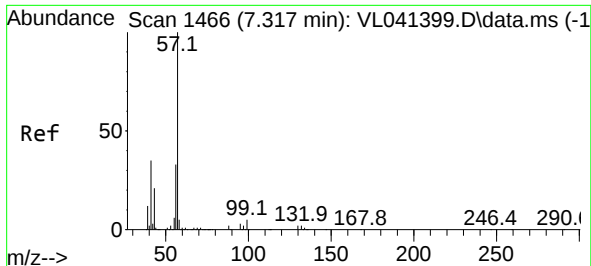
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#36
Benzene
Concen: 2.278 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. 0.010 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

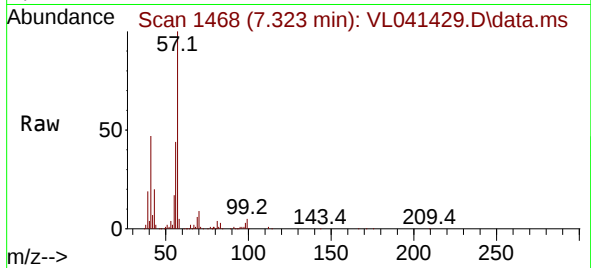
Tgt Ion: 78 Resp: 508706
Ion Ratio Lower Upper
78 100
77 23.0 18.1 27.1
50 19.5 15.5 23.3





#44
2,2,4-Trimethylpentane
Concen: 0.937 ppbv
RT: 7.323 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

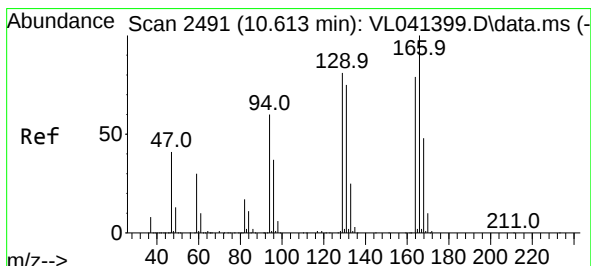
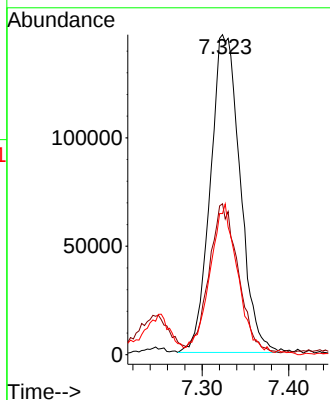
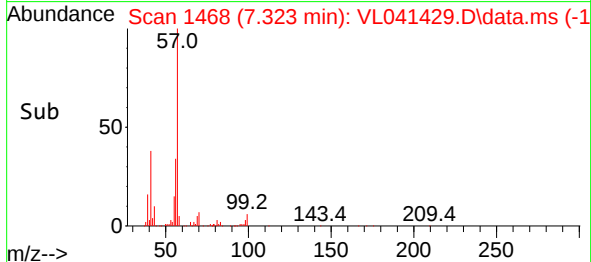
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-03



Tgt Ion: 57 Resp: 34941
Ion Ratio Lower Upper
57 100
41 47.4 27.0 40.6
56 45.6 25.2 37.8

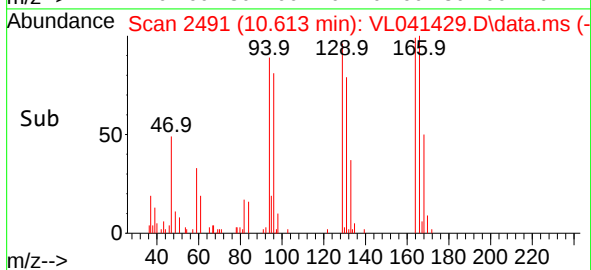
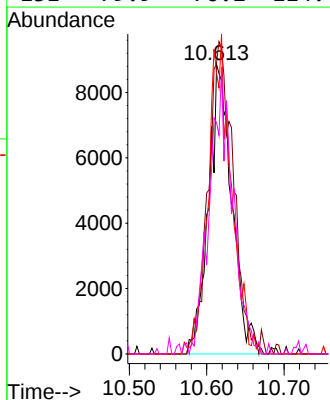
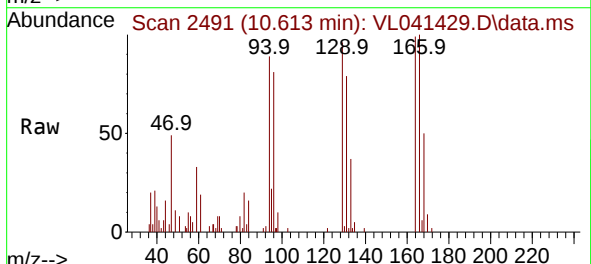
Manual Integrations
APPROVED

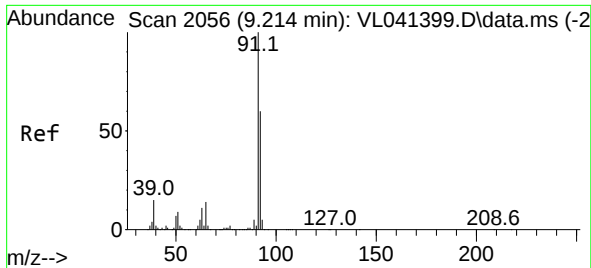
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#52
Tetrachloroethene
Concen: 0.218 ppbv m
RT: 10.613 min Scan# 2491
Delta R.T. 0.003 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

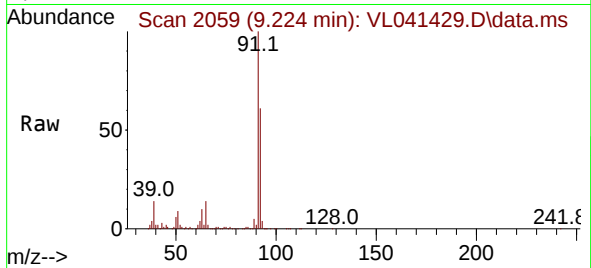
Tgt Ion:164 Resp: 18848
Ion Ratio Lower Upper
164 100
166 100.7 101.1 151.7#
129 97.0 81.7 122.5
131 79.9 76.2 114.4





#53
Toluene
Concen: 9.364 ppbv
RT: 9.224 min Scan# 2056
Delta R.T. 0.006 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

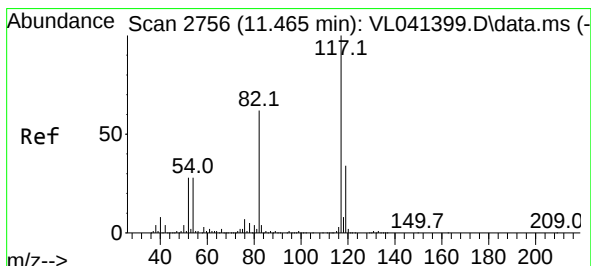
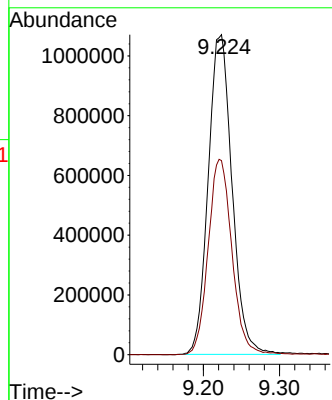
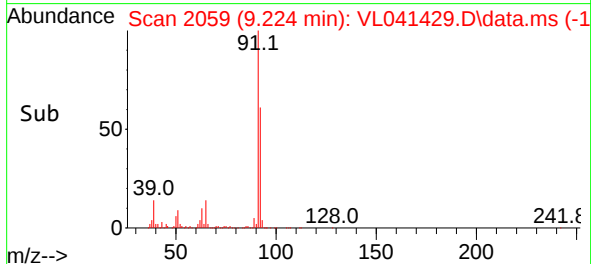
Instrument : MSVOA_L
ClientSampleId : ACVI-SS-03



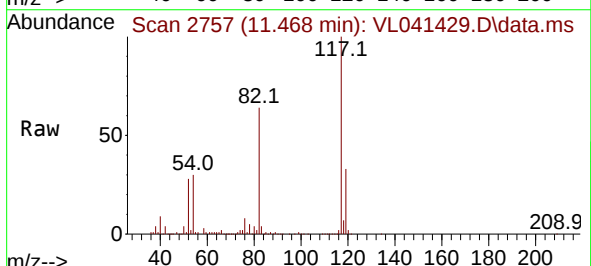
Tgt Ion: 91 Resp: 232967
Ion Ratio Lower Upper
91 100
92 61.5 48.7 73.1

Manual Integrations
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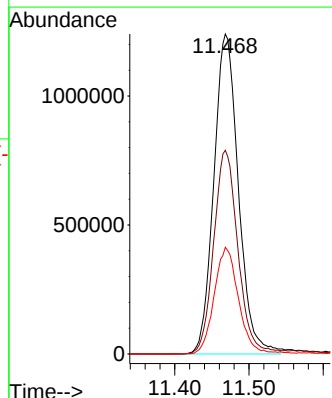
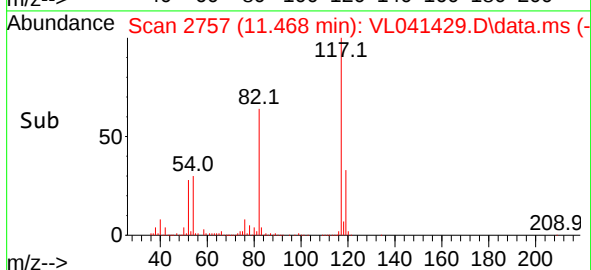
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

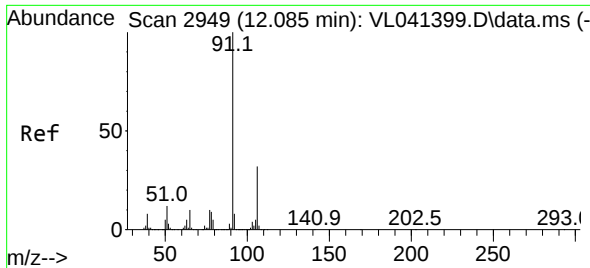


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56



Tgt Ion:117 Resp: 2853035
Ion Ratio Lower Upper
117 100
82 64.6 51.0 76.6
119 33.7 45.2 67.8#





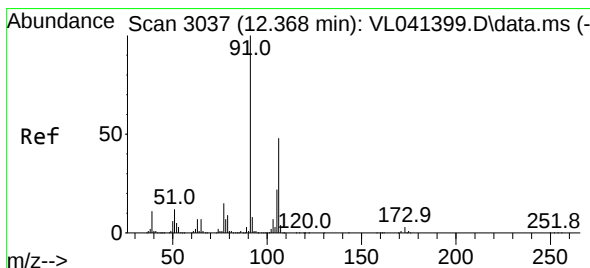
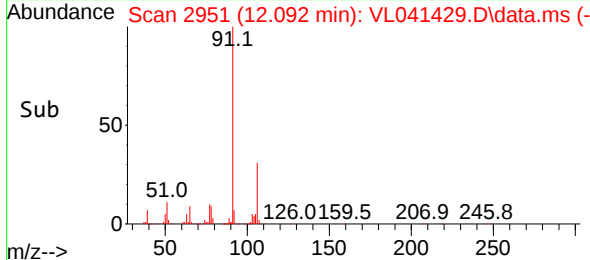
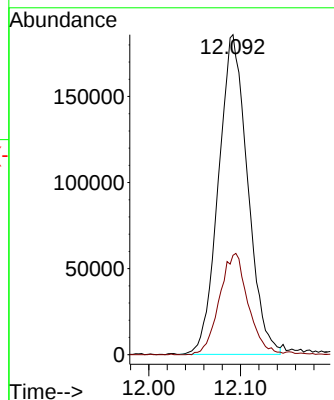
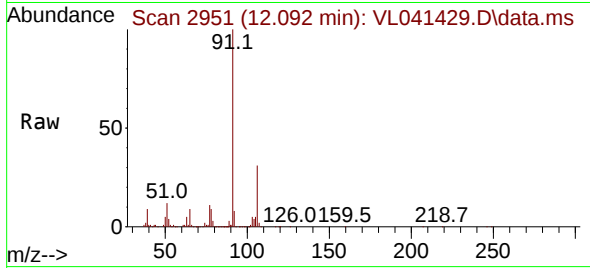
#58
Ethyl Benzene
Concen: 1.246 ppbv
RT: 12.092 min Scan# 2949
Delta R.T. 0.006 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-03

Tgt Ion: 91 Resp: 409890
Ion Ratio Lower Upper
91 100
106 31.1 25.8 38.8

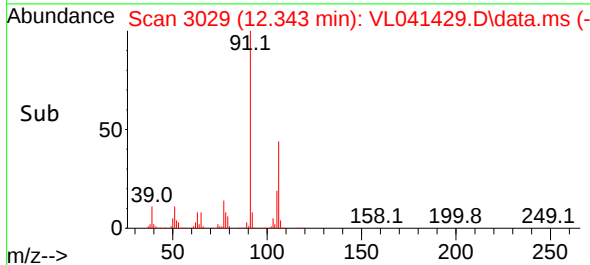
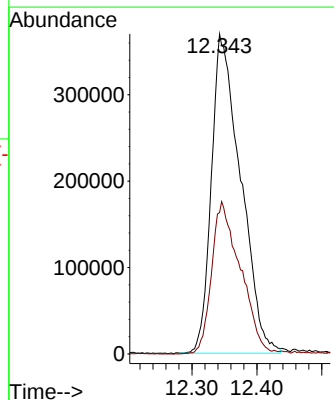
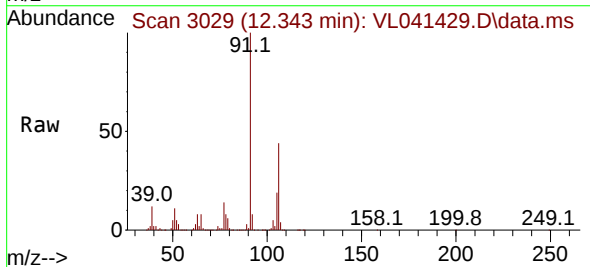
Manual Integrations
APPROVED

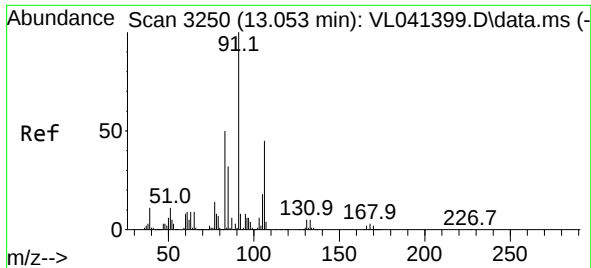
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#59
m/p-Xylene
Concen: 4.058 ppbv
RT: 12.343 min Scan# 3029
Delta R.T. -0.026 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

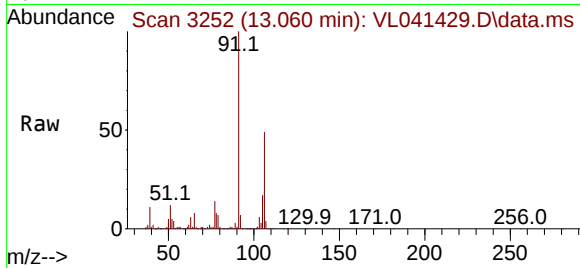
Tgt Ion: 91 Resp: 1151849
Ion Ratio Lower Upper
91 100
106 47.3 36.3 54.5





#60
o-Xylene
Concen: 1.391 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

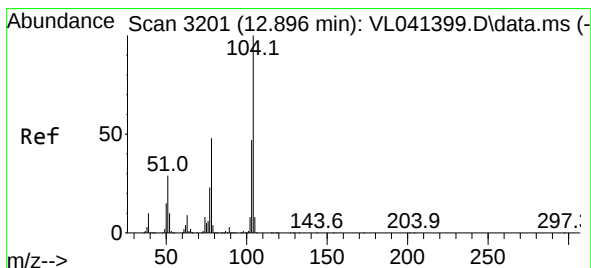
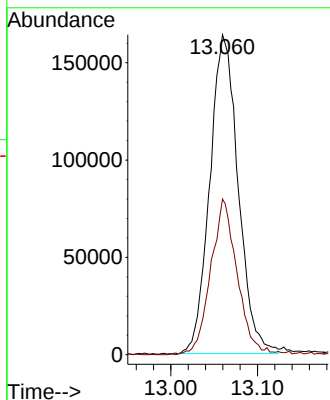
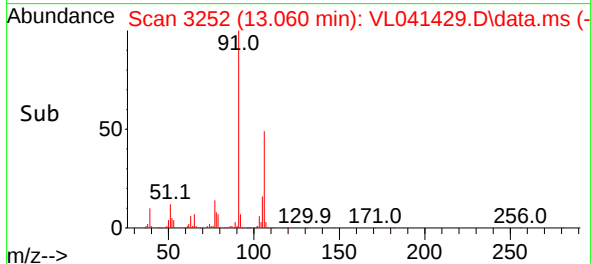
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-03



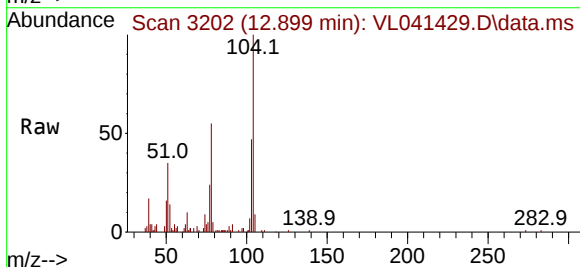
Tgt Ion: 91 Resp: 373529
Ion Ratio Lower Upper
91 100
106 45.6 23.1 69.3

Manual Integrations
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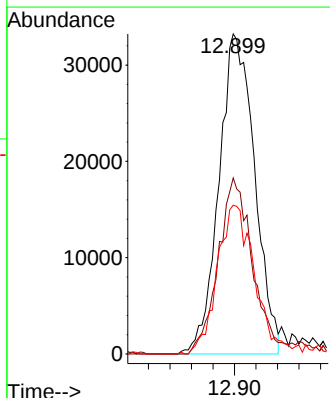
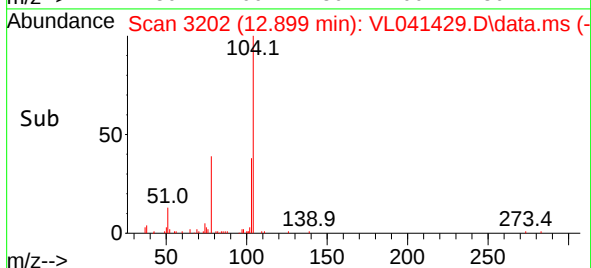
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

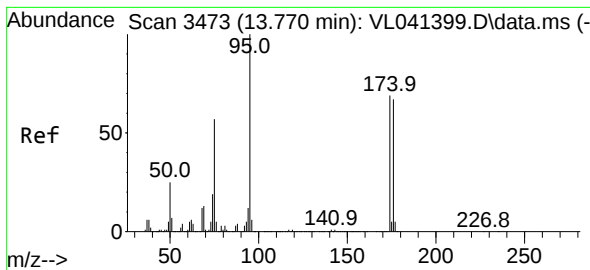


#61
Styrene
Concen: 0.633 ppbv
RT: 12.899 min Scan# 3202
Delta R.T. 0.003 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56



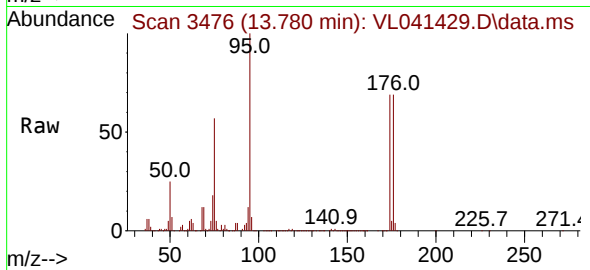
Tgt Ion:104 Resp: 76627
Ion Ratio Lower Upper
104 100
78 55.6 40.8 61.2
103 50.0 38.2 57.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.138 ppbv
RT: 13.780 min Scan# 3473
Delta R.T. 0.006 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56

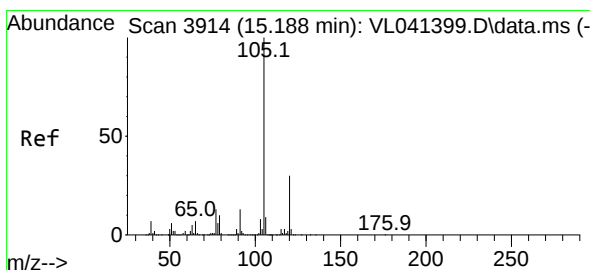
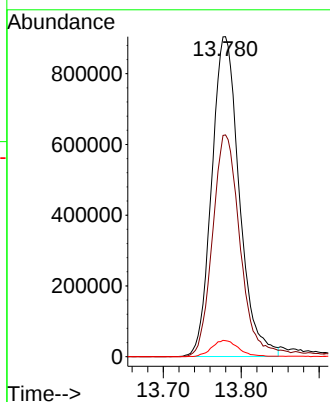
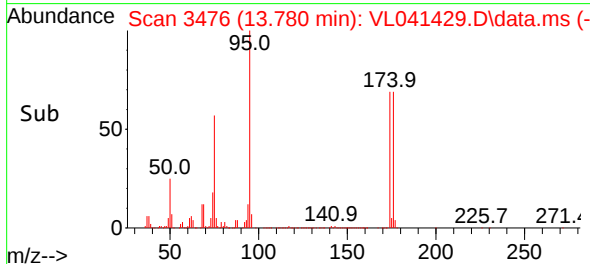
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-03



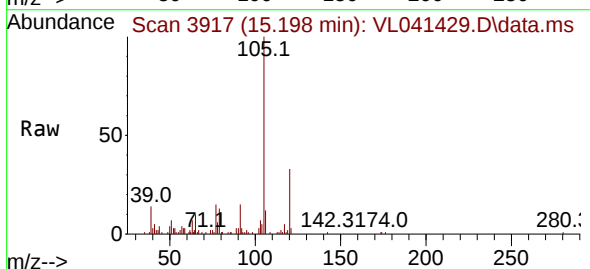
Tgt Ion: 95 Resp: 222586
Ion Ratio Lower Upper
95 100
174 71.5 56.3 84.5
175 5.1 4.0 6.0

Manual Integrations
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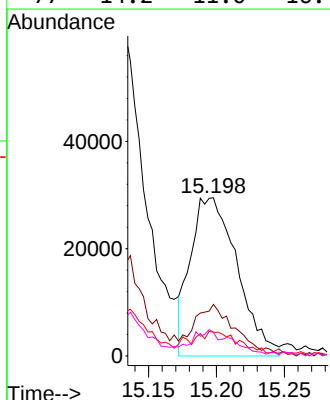
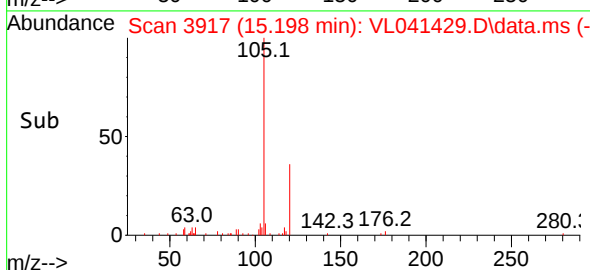
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

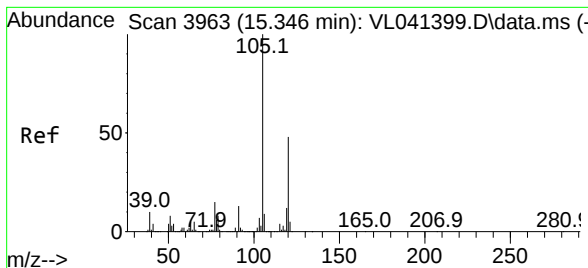


#72
4-Ethyltoluene
Concen: 0.223 ppbv m
RT: 15.198 min Scan# 3917
Delta R.T. 0.006 min
Lab File: VL041429.D
Acq: 29 Jul 2024 14:56



Tgt Ion:105 Resp: 70650
Ion Ratio Lower Upper
105 100
120 27.8 24.2 36.2
91 17.7 10.4 15.6#
77 14.2 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 0.163 ppbv m

RT: 15.355 min Scan# 3963

Delta R.T. 0.006 min

Lab File: VL041429.D

Acq: 29 Jul 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

ACVI-SS-03

Tgt Ion:105 Resp: 44394

Ion Ratio Lower Upper

105 100

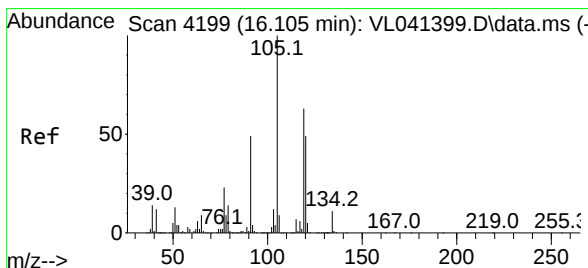
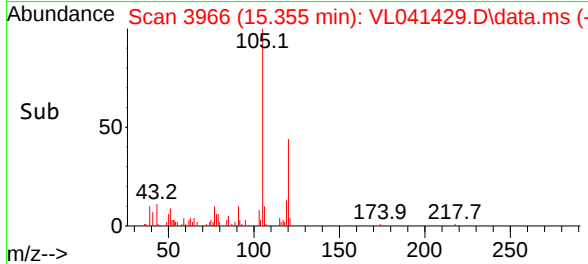
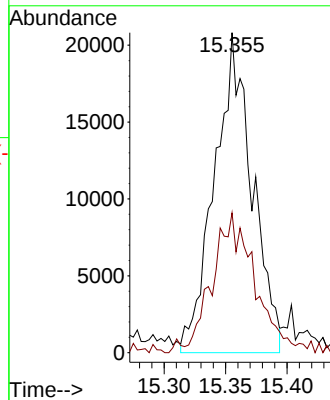
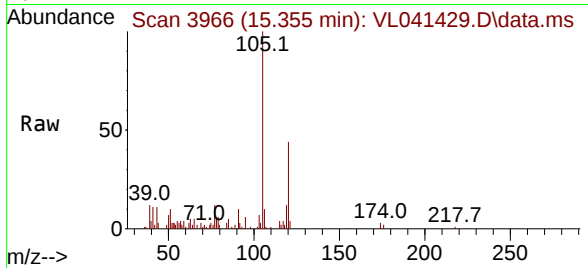
120 43.7 38.6 57.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024

Supervised By :Semsettin Yesilyurt 07/30/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.546 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.003 min

Lab File: VL041429.D

Acq: 29 Jul 2024 14:56

Tgt Ion:105 Resp: 173024

Ion Ratio Lower Upper

105 100

120 40.1 39.5 59.3

91 12.7 39.8 59.8#

77 14.4 18.2 27.4#

